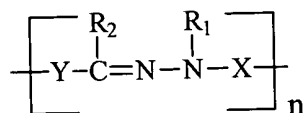


ORGANOPHOTORECEPTOR WITH A HYDRAZONE POLYMER CHARGE TRANSPORT MATERIAL

ABSTRACT

An organophotoreceptor comprises an electrically conductive substrate and
5 photoconductive element on the electrically conductive substrate, the photoconductive
element having

a) a charge transport material with the formula



where X is a linking group having the formula $-(\text{CH}_2)_m-$, branched or linear, where m is
10 an integer between 0 and 20, inclusive, and one or more of the methylene groups is
optionally replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group,
urethane, urea, an ester group, a NR_3 group, a CHR_4 group, or a CR_5R_6 group where R_3 ,
 R_4 , R_5 , and R_6 are, independently, H, hydroxyl group, thiol group, an alkyl group, an
alkaryl group, a heterocyclic group, or an aryl group;

15 R_1 and R_2 are independently a hydrogen, a halogen, an alkyl group, an aryl group,
an alkaryl group, an aromatic group or a heterocyclic group;

Y is an aromatic group; and

n is a distribution of integer values greater than 2; and

(b) a charge generating compound.

20 The charge transport material can be crosslinked with a polymer binder either
directly or through a crosslinking agent.